LISTING OF CLAIMS

No amendments to the claims are made by this Response. For the Examiner's convenience, a complete listing of claims is provided below.

- 1-5. (Withdrawn)
- 6. (Previously Presented) A method for generating a lithography mask, comprising: generating integrated circuit design data;

analyzing the integrated circuit design data to generate context information for features of a mask without the use of tags; and

- using the context information to write the mask features.
- 7. (Previously Presented) The method of claim 6, wherein using context information comprises: analyzing the mask features for contextual priority.
- 8. (Original) The method of claim 7, wherein using context information comprises: assigning priorities to the mask features.
- 9. (Original) The method of claim 8, wherein assigning priorities to the mask features comprises: applying criteria to mask design data by manual process.
- 10. (Original) The method of claim 8, wherein assigning priorities to the mask features comprises: applying criteria to mask design data by computer-aided automated process.
- 11. (Previously Presented) The method of claim 6, wherein using context information comprises:
 analyzing mask features to determine circuit elements expected to be produced by a
 lithography system at a chip wafer surface.

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12. (Original) The method of claim 6, further comprising:

configuring a mask design database to include additional contextual mask design data generated in using the contextual information from the integrated circuit design data.

- 13. (Previously Presented) The method of claim 12, further comprising:
 configuring the mask design database to optimize a write order for use by a mask writing
 system.
- 14. (Original) The method of claim 6, wherein using context information comprises: passing context information to a mask writing system.
- 15. (Original) The method of claim 6, wherein using context information comprises: controlling a mask writing system based on the context information.

16-36. (Withdrawn)

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